

CLAIM LISTING

Claims 1-9 (Cancelled)

Claim 10 (Currently Amended): A method of producing osteocalcin ~~active factors~~ comprising the steps of:

- (a) applying undifferentiated mammalian cells on a substrate;
- (b) contacting the undifferentiated mammalian cells with a culture medium;
- (c) inducing the undifferentiated mammalian cells to differentiate into osteogenic cells by one or more inductors of differentiation, wherein the osteogenic ~~differentiated~~ cells produce osteocalcin ~~active factors~~, and;
- (d) recovering the osteocalcin ~~active factors~~ from the culture medium.

Claims 11-15 (Cancelled)

Claim 16 (Previously Presented): The method of claim 10, wherein the undifferentiated mammalian cells comprise bone marrow cells.

Claim 17 (Previously Presented): The method of claim 16, wherein the bone marrow cells comprise stromal cells.

Claim 18 (Previously Presented): The method of claim 10, wherein the undifferentiated mammalian cells comprise autologous cells.

Claim 19 (Cancelled)

Claim 20 (Currently Amended): A method of producing osteocalcin ~~bone growth factors~~ comprising the steps of:

- (a) applying bone marrow cells on a substrate;
- (b) contacting the bone marrow cells with a culture medium

(c) inducing the bone marrow cells to differentiate into osteogenic cells by one or more inductors of differentiation, wherein the osteogenic differentiated cells produce osteocalcin bone growth factors; and

(d) recovering the osteocalcin bone growth factors from the culture medium.

Claim 21 (Previously Presented): the method according to claim 20, wherein the bone marrow cells comprise stromal cells.

Claim 22 (Previously Presented): The method according to claim 20, wherein the bone marrow cells comprise autologous bone marrow cells.

Claims 23-24 (Cancelled)

Claim 25 (Currently Amended): A method of producing osteocalcin growth factors comprising the steps of:

- (a) applying bone marrow cells comprising stromal cells on a substrate;
- (b) contacting the bone marrow cells comprising stromal cells with a culture medium;
- (c) inducing the bone marrow cells comprising stromal cells to differentiate into osteogenic cells by one or more inductors of differentiation, wherein the osteogenic differentiated cells produce osteocalcin growth factors; and
- (d) recovering the osteocalcin growth factors from the culture medium.

Claim 26 (Currently Amended): The method of claim 25, wherein the bone marrow cells comprising stromal cells comprise autologous bone marrow cells comprising stromal cells.

Claims 27-28 (Cancelled)